AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code	Page 1 Of 18
Firm-Fixed-Price	

2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req No.	5. Project No. (If applicable)
0005		SEE SCHEDULE	

6. Issued By Code W56HZV

TACOM
AMSTA-LC-CJEB
MARCIA CZAR (810) 574-6278
WARREN, MICHIGAN 48397-5000
HTTP://CONTRACTING.TACOM.ARMY.MIL
EMAIL: CZARM@TACOM.ARMY.MIL

7. Administered By (If other than Item 6) Code

SCD PAS ADP PT

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

Code Facility Code

[X] **9A. Amendment Of Solicitation No.**
DAAE07-00-R-T019

9B. Dated (See Item 11)
2000JUL28

[ ] **10A. Modification Of Contract/Order No.**

10B. Dated (See Item 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] **The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers**

[X] **is extended,** [ ] **is not extended.** 2000NOV07 03:00pm

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning 2 signed **copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.**

12. Accounting And Appropriation Data (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.

[ ] **A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.**

[ ] **B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).**

[ ] **C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:**

[ ] **D. Other (Specify type of modification and authority)**

E. IMPORTANT: Contractor [ ] **is not,** [ ] **is required to sign this document and return _____ copies to the Issuing Office.**

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
15B. Contractor/Offeror _____ (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ (Signature of Contracting Officer)	16C. Date Signed

SECTION A - SUPPLEMENTAL INFORMATION

The purpose of this Amendment is to make the following changes:

a. The time and date for closing of this solicitation is extended to 7 November 2000 at 3:00 p.m. Offerors are reminded to include this amendment with their proposal.

b. Revise Section C as follows:

(1) C.8 Changed the location to Ft. Eustis, VA.

(2) C.13 Added publications

(3) C.13.1 Added publications

(4) C.13.2 Added publications

(5) C.13.7 Revised in its entirety.

c. Added Section J to Solicitation.

d. Section M-6, page 117 of the Solicitation is changed from Hythe, England to Ft. Eustis, VA.

e. CDRLs A013, A014, A029, A030, A031, A032 and A033 are changed to reflect address changes and added Attachment references. CDRLs are replaced with updated CDRLs A013, A014, A029, A030, A031, A032 and A033. (See web page http://contracting.tacom.army.mil/majorsys/mcs/mcs.htm)

f. The following Attachments are added to the Solicitation. (See web page http://contracting.tacom.army.mil/majorsys/mcs/mcs.htm):

(1) Attachment 002 is added to the Solicitation "Commercial Off-The-Shelf (COTS)"
(2) Attachment 003 is added to the Solicitation "Unit Direct Support & General Support"
(3) Attachment 004 is added to the Solicitation "Operator's Manual"
(4) Attachment 005 is added to the Solicitation "Technical Manual"

3. As a result of changes in Section C, the whole section is substituted with the Section C in this Amendment.

4. Section J is added to the Solicitation by this Amendment.

5. As a result of changes in Section M-6, page 117 of the solicitation is replaced.

6. As a result of changes to the CDRLS and the addition of Attachments to the solicitation, the web page has been updated to reflect the changes and additions (See web page http://contracting.tacom.army.mil/majorsys/mcs/mcs.htm).

7. All other terms and conditions of the solicitation remain in full force.

*** END OF NARRATIVE A 004 ***

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 Scope

There are four separate modular causeway systems: Roll-On/Roll-Off Discharge Facility (RRDF), Causeway Ferry (CF), Floating Causeway (FC), and Warping Tug (WT). The work requirements described herein pertain to these systems, the support of the systems, and to management of program risk.

C.2 General requirements

The contractor shall build, test, deliver and support modular causeway systems to include any design effort required; perform system supportability analysis/deliver Logistics Management Information (LMI); and team with the United States Government (USG) in program risk management in accordance with this Scope of Work (SOW), the attached ATPD 2280 dated 18 July 2000 and all other terms and conditions of the contract. The contractor shall provide the necessary resources, equipment, and facilities to meet performance, cost and schedule objectives in accomplishing these efforts. The contractor shall use commercial products, processes, and practices to the maximum extent practicable to reduce development, production and operational support costs.

C.2.1 Data

The contractor shall prepare deliverable program data in accordance with the format and content specified in the Data Item Descriptions (DIDs) and deliver the data in accordance with the Contact Data Requirements Lists (CDRLs). Use of contractor format and electronic submission will be stressed by the USG and will be indicated where applicable. Data shall be in American English and be MS Windows95/MS Office 97 Professional software compatible to the maximum extent practicable. Drawings shall be prepared in accordance with ASME Y 14.100M and submitted in AutoCAD (Release 14 or higher) or Portable Document Files (.pdf) as indicated.

C.2.2 Environment

The contractor shall minimize the generation of industrial pollution or hazardous wastes in performing work under this contract. National Aerospace Standard 411 may be used as guidance.

C.2.3 Days

All reference to "days" in section C shall be construed as calendar days unless otherwise noted.

C.2.4 Cost As An Independent Variable (CAIV)/Life Cycle Costs (LCC)

The contractor shall consider the Government's desire to minimize unit production cost following the principles of CAIV. Further, the contractor shall consider impact of work efforts on cost of ownership/LCC.

C.3 Program management

C.3.1 Government/contractor team

A joint government/contractor team shall be established thirty (30) days after contract award. The primary purpose of this team shall be to address program risk through the monitoring and coordination of contract activities as they affect performance, cost, and schedule objectives. In addition to government personnel, this team shall be composed of contractor personnel from a variety of functional disciplines sufficient to insure availability of complete, timely and accurate program information to the team.

C.3.2 Integrated Program Reviews (IPRs)

All contractor/government formal meetings conducted for the purpose of reviewing and discussing overall program status shall be referred to as IPRs. The contractor shall host at least four but no more than six (6) IPRs per year. The Government will schedule these meetings. The location shall be at the contractor's facilities, or elsewhere if mutually agreed upon. The contractor shall suggest agenda topics in contractor format to the Government twenty (20) days prior to the start of the meetings. The Government will finalize and publish the agenda ten (10) days prior to the meeting. There shall be additional topic specific meetings (for example, publication, provisioning, design/engineering, and training reviews) as described elsewhere in the contract.

C.3.2.1 Conference Minutes (CDRL A001)

The contractor shall submit a draft of the minutes of each IPR to the Government within ten (10) days following the meeting. The Government will review and provide comments within ten (10) days after receipt. The contractor shall incorporate government comments and publish the minutes within five (5) days after receipt of government comments.

C.3.3 Start of Work

The contractor shall participate in a Start of Work meeting within thirty (30) days after contract award at the contractor's facility. The Government will schedule the meeting. The primary purpose of the meeting is for the contractor to brief its contract execution concept.

C.4 Testing strategy

C.4.1 Interoperability and interchangeability test

The contractor shall perform tests to verify the interoperability and interchangeability of intermediate section mating to include side to side connection and section end to section end connection within the first six months after contract award. The purpose of this testing shall be to verify interoperability and interchangeability early in the program of modules, strings and sections. The Government may witness this testing. The USG shall be notified fifteen (15) days prior to the start of this testing. The results of these functional tests will be part of the First Article Test (FAT). The results of this functional testing shall be documented for verification and incorporated into the FAT plan.

C.4.2 Test plan

The contractor shall develop and maintain a master test plan available for government review in order to assess the contractor's ability to meet testing requirements. A draft plan shall be available for government review prior to the start of FAT. The plan shall indicate procedures to follow during the testing of each item as described in the ATPD. The Government will review and comment on the plan at IPRs and copies shall be available at the performance of each test.

C.4.3 Test Support Package (TSP)

The TSP is an onsite composite package of support for government testing (the CF Operational Demonstration (OP DEMO)) or technical manual verification. All items that comprise a TSP shall be the same configuration and source used on the production of the modular causeway systems. The TSPs shall include whatever the contractor deems necessary to support the testing or verification. At a minimum, it shall include, but is not limited to, spare and repair parts, special tools, and equipment publications. If any testing requires retest, then the TSP shall be updated and the updated TSP shall be available at the time of retest. The contractor shall assemble, furnish, pack and ship the TSP to the designated site(s) (anticipated to be in the Hampton Roads, VA area). The contractor shall fill any support deficiencies within 24 hours of notification by the Government.

C.5 Quality Assurance

C.5.1 Quality system

The contractor shall implement and maintain a quality system that ensures the functional and physical conformity of all products or services furnished under the contract. The quality system shall achieve defect prevention and process control, providing adequate quality controls throughout all areas of contract performance. At any point during contract performance, the Government has the right to review the contractor's quality system to assess its effectiveness in meeting contractual requirements.

C.5.1.1 Quality inspection

The contractor shall perform in-process inspections as necessary. These inspections shall evaluate the conformance of materials, welding, workmanship, and processes to contractual and purchase description requirements. The Government reserves the right to either witness or conduct its own in-process inspections. All in-process government inspections conducted during fabrication shall be made at the contractor or subcontractor's facility prior to the application of primer or paint.

C.5.1.2 Inspection equipment

The contractor shall supply and maintain all inspection and test equipment necessary to assure the modular causeway systems conform to contract requirements. The contractor shall make available to the Government applicable and necessary inspection equipment for government system inspections.

C.5.1.3 Quality records

All records of inspections, examinations, certifications, tests, supplier audits, and purchase orders, shall be retained by the contractor for a period of four (4) years after contract completion. These records shall be made available to the Government upon request.

C.5.2 Welding procedure qualification

All welding procedures and welding equipment shall be qualified IAW the American Welding Society (AWS) code AWS D1.1 for

Structural Steel, AWS D1.2 for Structural Aluminum or AWS D1.3 for Sheet Metal as applicable. All welders and welding operators to perform manual, semi-automatic or automatic welding shall be qualified IAW the applicable AWS standard. The contractor shall verify weld quality and workmanship using qualified inspectors trained to perform these inspection functions. Acceptable qualifications may be based on one of the following:

- Current or previous certification as an AWS certified welding inspector;
- Current or previous certification by Canadian Welding Bureau;
- Inspection performed by an engineer or technician who is competent in the use of weld inspection techniques and equipment (on the basis of formal training, documented experience, or both), and in metals fabrication, inspection, and testing of weldments.

C.6 Configuration management

The Government retains control of the purchase description. The contractor shall establish and control the configuration baseline. This baseline shall identify and document the functional and physical characteristics of the modular causeway systems and be maintained for the life of the contract. Except as provided herein, all systems delivered under this contract shall be identical in configuration to the contractor's final approved first article configuration baseline of the systems.

C.6.1 Engineering Change Proposals (ECPs) (CDRL A002)

The Government acknowledges that the contractor may want to offer changes to the configuration during the term of this contract after First Article Test (FAT) approval. However, it is important for the Government to assess the impact of any proposed changes to the logistic and technical requirements established for the program. The contractor shall request government approval of any proposed configuration change after FAT approval that affects form, fit, function and/or interface. The procedures for government notice and approval shall apply.

C.6.1.1 Engineering change inspection and test

The Government reserves the right to require additional testing at contractor expense if the Government believes any proposed engineering change may have a potential negative impact on the ability of the product to meet the requirements of the system purchase description.

C.6.1.2 Effect on contract price

In the event an approved ECP results in a reduced cost to the contractor, the change shall at the Government's discretion be subject to an equitable reduction in contract price. The contractor shall certify cost impact and the Government will have the right to conduct post-change audits. The Government reserves the right to a downward adjustment in contract price for those costs incurred by the Government which were caused by the contractor's failure to inform the Government in a timely manner of approved ECP impacts. If a proposed ECP is not approved, the Government is not responsible for any costs incurred by the contractor.

C.6.1.3 Final disposition

Government approval shall not be construed as relieving the contractor from its responsibility to furnish all items in conformance with contract requirements.

C.6.1.4 Government directed changes

In the event the Government contemplates a change in the modular causeway systems, the contractor shall provide a technical/price proposal.

C.6.1.5 Effectivity certification

Actual cut-in of approved changes into the production line shall be at a single cut-in point (single module). The contractor shall maintain the original effectivity point certification on file.

C.6.2 Drawings

The contractor shall develop, maintain and have available for government review at the design reviews, As-Built and Interface Control drawings as described.

C.6.2.1 As-Built Drawings (CDRL A003)

The contractor shall create drawings that provide sufficient information to allow the government to repair/refurbish the components of the modular causeway systems. The drawings shall be either Layout, Monodetail or Assembly type drawings or a combination of these types as described in ASMEY14.24M and shall specify all physical and functional characteristics of systems

components that are required in order to repair and refurbish the modular causeway systems.

C.6.2.2 Interface Control Drawings (CDRL A004)

The contractor shall create an Interface Control Drawing for the MCS components. The Interface Control Drawing shall be as described in ASME Y14.24M and shall specify all characteristics of system components that are required in order to achieve the interoperability and interchangeability requirements for the modular causeway system. It shall specify all geometry, dimensions, tolerances, sizes, finishes, component standards, capacities, and operating values (such as pressures, voltages, temperature ranges, flow rates, etc.) that are required to define the interface for all connecting components and sub-systems. This interface drawing shall include all information necessary for the contractor, or any other entity, to design all MCS components that are fully physically and functionally interoperable and/or interchangeable as required by this contract. The interface drawing shall include a graphic representation of the geometry and tolerances for all interfaces.

C.7 Government Furnished Property (GFP)

C.7.1 Support GFP

The Government will provide the following GFP in accordance with the government property clause to support various work efforts under this contract:

1 ea SINCGARS radio
3 ea center modules
2 ea right end rake modules
2 ea left end rake modules
2 ea center end rake modules
1 ea propulsion module
1 ea combination beach and sea end module
Existing system manual and provisioning data

C.7.2 System installed GFP

The Government will provide the following GFP in accordance with the government property clause for installation by the contractor into the system indicated prior to that system's delivery:

SINCGARS radio installation kits (installed on the WT and CF)
10 kW TQG generator (installed on the RRDF and FC)

C.8 Total Package Fielding (TPF)

Total Package Fielding is the Army's standard fielding method used to provide Army units a new/product improved materiel system and all its related support materiel at one time. The contractor shall provide technically qualified individuals and services to support the handoff phase of TPF for each system at government specified dates and locations (anticipated to be Ft. Eustis, VA).

C.8.1 Pre-fielding inventory

The contractor shall conduct a pre-fielding inventory of all major items, Basic Issue Items (BII), Special Tools and Test Equipment (STTE), On Board Spares (OBS), Initial Support Items (ISI), Repair Parts and Special Tools List (RPSTL), and technical manuals. Any known shortages which will not be available for handoff shall be annotated on a shortage list. This list shall contain a description of the item, nomenclature, NSN, part number, quantity, and date of availability. This list shall be attached to the joint inventory form.

C.8.2 Joint Inventory Form

The contractor and government representatives, along with the gaining unit representative, shall conduct a joint inventory of all components, major items, BII, OBS, ISIL, RPSTL, STTE, and technical manuals at the fielding site no later than thirty days prior to fielding. Team members shall prepare the appropriate deficiency reports (SF 368 Quality Deficiency Report, SF 364 Report of Discrepancies, SF 361 Discrepancy in Shipment Report, DA Form 2407 Maintenance Report) for any deficiencies found. The contractor shall prepare and sign the joint inventory form along with the government representative and gaining unit representative.

C.8.3 Deprocessing

The contractor shall perform on-site preparation of equipment prior to fielding or handoff including complete operator and maintainer preventive maintenance checks and services. Upon completion of deprocessing, the equipment shall be 100% fully mission capable.

C.9 Parts support

As soon as practicable after contract award, the contractor and the Government (Defense Logistics Agency) will negotiate a separate contract agreement for parts support for a period of twenty-four (24) months after the first system delivery. The intent is for the contractor to insure timely parts availability for this period of time when spare and repair parts are ordered by the USG. Such orders will be placed on an as-needed basis driven by parts support demands from the field.

C.10 Maintenance planning (CDRL A005)

The contractor shall conduct/update maintenance analysis on the modular causeway systems, major assemblies, subassemblies, spare parts, and kits, and identify the tools to define optimal maintenance activities that fully support the maintenance concept for the modular causeway systems. This analysis shall be the basis for the update/revision of the Hardcopy/Electronic Technical Manuals (ETM), Preventive Maintenance Checks and Services (PMCS), Maintenance Allocation Chart (MAC), Lubrication Instructions and Repair Parts and Special Tools List (RPSTL). The contractor shall brief the maintenance analysis procedures and strategy at the initial Maintenance, Provisioning and Publications (MPP) review. Updates to any analysis procedures and strategy shall be briefed at each subsequent MPP.

C.10.1 Maintenance Allocation Chart (MAC) (CDRL A006)

The contractor shall update the existing Maintenance Allocation Chart (MAC) IAW MIL-STD-40051A-6A covering all maintenance tasks. The MAC is a living document that forms the basis for provisioning, manning and technical manual development and is, therefore, subject to change until its final approval concurrent with final approval of the technical manuals. The MAC assigns all authorized maintenance functions and repair operations to be performed by the lowest appropriate level and delineates the tools and test equipment required to perform the operations. The MAC shall be prepared in a top down breakdown sequence. The first functional group shall be 00, the end item. The MAC shall include all maintenance significant components, assemblies, subassemblies, and modules. Parts requiring a test procedure prior to replacement shall also be listed in the MAC.

C.11 Support equipment

Modular causeway systems shall be capable of being operated and maintained, to the maximum extent practicable, using common tools, support equipment, and test equipment normally organic to the user. Engines used on powered sections shall be outfitted with Built-In-Test-Equipment [BITE].

C.12 Supply support (provisioning program)

The provisioning program for the modular causeway systems requires the contractor to develop/update a database that shall provide the Government with data IAW Attachment A, Logistic Management Information (LMI) Data Product Delivery. The provisioning program creates the Provisioning Master Record (PMR) which is stored on the government database. It contains all data for the assemblies, subassemblies, spare parts and kits, to include Components of the End Item (COEI), Basic Issue Items (BII), Additional Authorized Items (AAL) and Special Tools, required to support the modular causeway systems.

C.12.1 Provisioning Contract Control Number (PCCN) and Provisioning Control Codes (PCCs)

The PCCN for the modular causeway systems is C31901. At the MPP review, the Government will furnish PCCs for each causeway system.

C.12.2 Provisioning schedule and reviews

The contractor shall provide a provisioning performance schedule at the Start of Work meeting IAW Attachment A. This schedule shall provide an estimate of the number of items to be provisioned and the number of provisioning meetings that will be required. (The maximum number of items reviewed at any 40-hour MPP review shall be 1,500 line items.)

C.12.3 Provisioning Parts List (PPL) (CDRL A007)

The contractor shall develop/update/submit and maintain provisioning data for the modular causeway systems using the C31901PMR. After the PMR for the modular causeway systems is established, the contractor shall add or change data to include the most recent production configurations, ECPs and parts information changes. The corrections shall be formatted in accordance with Attachment A, media format delivery for all LMI data products, or corrected by modem access to the Provisioning On-line System (POLS). The data shall be capable of being loaded into TACOM's PMR without any modification to the data.

The contractor shall correct CCSS/POLS rejects within 30 days after we notify the contractor of errors. Data submitted with more than a ten percent (10%) error rate will not be accepted and will be returned to the contractor for correction. The corrections shall be formatted IAW Attachment A.

The contractor shall maintain and continuously update the data file with the Provisioning Technical Documentation (PTD) Reports (X40CXX6034R) which the Government will provide periodically. These reports shall contain part number changes, failure factor changes, Source/Maintenance/Recoverability code changes and additions and/or deletions throughout the contract.

C.12.4 Provisioning of kits

The contractor shall provision all kits specified in accordance with provisions in section C.12.

C.12.5 Supplementary Provisioning Technical Documentation (SPTD)/Drawings (CDRL A008)

The contractor shall have available at each MPP review one hard copy SPTD/drawing for each new item to be provisioned, identified on the PPL, for government review. These drawings shall include a parts list, detail and assembly drawings, interface control data, diagrams, performance characteristics and details of material for each assembly, subassembly and spare part on the modular causeway systems.

- The drawings shall be in Provisioning List Item Sequence Number (PLISN) sequence.

- After the Government approves each drawing as being suitable for NSN assignment, the drawings shall be submitted on a CD in Portable Document Files (.pdf) format, or some other software product format that we agree to, thirty (30) days after completion of each MPP review.

- Text on all drawings shall be in the English language.

- The contractor shall have all approved vendor Commercial and Government Entity (CAGE) code typed, stamped or written legibly with an authorized signature and date cited on all drawings. All provisioned items shall include at least two sources of supply one of which may be the contractor.

- Substitutes for drawings, such as commercial catalogs or catalog descriptions, sketches or photographs with brief descriptions or dimensions, material, mechanical, electrical or other descriptive characteristics do not apply. Use of such drawing substitutes is permitted only by exception, on a case by case basis, by the PCO.

C.12.6 Kits & Crew Protection Kit Installation Instructions & Supplementary Provisioning Technical Documentation (SPTD) for Special Purpose Kits (SPK) (CDRL A009)

The contractor shall provide a complete installation drawing identifying all kit components and parts, which describe the location of the components/parts on the modular causeway systems. Installation instructions shall be included.

C.12.7 Tools and Test Equipment List (TTEL) (CDRL A010)

The contractor shall prepare and deliver a TTEL listing those peculiar support items for the modular causeway systems that are not currently listed in the U.S. Army supply catalogs. A list of supply catalogs can be found in DA Pamphlet 25-30, Section 6, provided at the Start of Work meeting. The TTEL, with drawings, shall be identified at the first MPP review. After the Government approves the TTEL, the contractor shall deliver the data concurrently with the first submittal of the LMI data product. Updates shall be provided with each subsequent delivery of the LMI data products.

C.12.8 Provisioning Parts List Index (PPLI) (CDRL A011)

The contractor shall provide a PPLI containing a listing by manufacturer's reference numbers of all items listed in the LMI data products (see Attachment A), cross-referenced to each PLISN.

C.12.9 System Support Package List (SSPL) (CDRL A012)

The contractor shall prepare and provide an SSPL, which lists all system support requirements. The SSP list shall consist of, as a minimum, the following:

- Spare parts The SSPL shall identify a sufficient amount of repair parts to meet the requirements arising from predicted failures, scheduled maintenance, mandatory replacement items and items that are most likely to be consumed or broken during any disassembly or assembly process (such as seals and gaskets) as a result of anticipated wear out.

- On Board Spares (OBS) Components necessary for the vessel to operate and for the crew to perform quick repair underway, or repairs not requiring external support to tow or otherwise support the powered section, deck mounted equipment and the modular causeway systems.

- Authorized Stockage List (ASL) hardware System specific Class IX repair parts authorized to be held at the DS/GS level to support an additional thirty (30) days of operations, not to be stored onboard the system, but in close proximity to the systems

operational area, e.g., support maintenance (DS/GS) parts storage area.

- Mission Support Packages (push packages) Class IX repair parts and other components required to support two (2) ninety (90) day back-to-back missions preserved and transported with the system onboard the pre-positioned vessels.

- Common and Special Tools, Test Measurement and Diagnostic Equipment (TMDE) All common and special tools, tool kits, equipment and TMDE identified in the Army supply catalogs required in support of the modular causeway systems. Any tool or TMDE required to perform maintenance and any diagnostic maintenance procedures, to include any vendor or manufacturer software programs and/or hardware, that are not identified in the Army supply catalogs shall be identified on the SSP list. All tools & TMDE not listed in the Army supply catalogs shall be identified as special tools.

- Equipment Publications The most recent version of each equipment publication shall be included in the SSPL. When changes and updates are made to any publication during testing or Technical Manual verification, the contractor shall identify them to TACOM, AMSTA-LC-CJA.

- Basic Issue Items (BII) and Components of the End Item (COEI) BII, as required by the specification, and BII/COEI, as required by the contractor?s design, shall be included on the SSPL.

- Expendables Supplies Expendable supplies such as petroleum, oils and lubricants shall be identified on the SSPL .

- Support Equipment Equipment existing in the Army's inventory to support the modular causeway systems shall be included on the SSP list.

C.12.10 Design Change Notice (DCN) (A013)

The contractor shall submit a DCN for those design or part number changes which modify, add, delete or supersede any of the operating, maintenance or repair parts information that the contractor provided previously under this contract.

C.12.11 Contractor on-line access

The contractor may access the POLS to make Provisioning Suspense File corrections as an alternative to receiving validation reject reports from the Government, then making the corrections on a subsequent submittal. The Government, if requested, will provide access free of charge by modem to the POLS. However, any hardware or software required for accessing the POLS shall be at contractor expense. Additional access may be provided for ease of processing LMI data.

C.13 Publications for RRDF, WT and FC (CDRLs A014, A029-A033)

The contractor shall develop the below listed equipment publications per MIL-STD-40051A for the modular causeway systems. Publications for the modular causeway systems are broken down into four (4) volumes and (three (3) sub-volumes on the Causeway Ferry and Warping Tug) as follows:

Causeway Ferry (CF) - Volume 1
   Engine (CF) Volume 1-1
   Marine Gear (CF) Volume 1-2
   Transfer Case (CF) Volume 1-3
Roll-On/Roll-Off Discharge Facility (RRDF) - Volume 2
Modular Warping Tug (WT) - Volume 3
   Engine (WT) Volume 3-1
   Marine Gear (WT) Volume 3-2
   Transfer Case (WT) Volume 3-3
Floating Causeway (FC) - Volume 4

C.13.1 Publications for RRDF, WT, and FC

For the RRDF, WT and FC, the contractor shall develop the following:

Operator's Manual, TM55 1945-205-10
Unit/DS/GS Maintenance Manual, TM55 1945-205-24
Commercial Off the Shelf Manual, TM55 1945-205-24
Repair Parts and Special Tools List, TM55 1945-205-24P
Lubrication Order, LO55 1945-205-12
Hand Receipt, TM 55 1945-205-10

C.13.2 Publications for CF

The contractor shall provide revisions to the existing CF manuals in accordance with MIL-STD-40051A and incorporate new procedures and material changes. These TM's are:

Operator's Manual, TM55 1945-205-10
Unit/DS/GS Maintenance Manual, TM55 1945-205-24
Commercial Off the Shelf Manual, TM55 1945-205-24
Repair Parts and Special Tools List, TM55 1945-205-24P
Lubrication Order, LO55 1945-205-12
Hand Receipt, TM 55 1945-205-10

C.13.3 Electronic Technical Manual (ETM)

The contractor shall also produce an ETM file of each publication described above. ETM files are .pdf format files. These files contain bookmarks and links as follows: Bookmarks shall be established for the table of contents page, the first page of alphabetical indexing and the first page of each work package, the first page of each chapter, the first page of each section and for each reference within the same manual (files). No linking is required beyond the bookmarks.

C.13.4 Delivery

The following shall be delivered, postage prepaid, to TACOM, AMSTA-LC-CJA, Warren, MI 48397-5000:

- Camera-ready (600DPI laser print or equivalent) copy of each complete publication, with running sheets and folio markings, sized for 1 to 1 reproduction (no enlargement or reduction required by the printer).

- Complete SGML-tagged data for each publication and graphic file in the format specified in MIL-STD-40051.

- Word processing file of each publication (MS Word or equivalent).

- .pdf of each publication.

All digital files are to be delivered on ISO 9660 CD-ROM.

C.13.5 Validation

The contractor shall validate the accuracy and usability of all publication deliverables. The contractor shall have and use documented Quality Assurance (QA) processes and inspections in accordance with Section E.9. The Government has the right to review validation processes. The Government has the right to verify all publication deliverables. Government reviews and verification may be done through statistical sampling and a mix of desktop review and actual performance but could include actual performance of all procedures and review of all pages, if deemed necessary by the Government. The Government does not intend to review and verify every page at every review but relies on complete and careful editing and review by the contractor. If there are indications that the contractor has performed incomplete or inadequate QA reviews, the Government may elect to perform additional reviews and return products for rework.

C.13.6 Reviews

Publication work shall be reviewed at an MPP review when 30% of the manual effort is complete and again when 70% of the manual effort is complete.

C.13.7 Verification/validation

The contractor shall support the Government's TM verification (See paragraph C.4.3). All comments, changes and corrections resulting from the verification will be incorporated in to the final draft submission.

C.14 Training and training support

The contractor shall provide contractor ("ktr") site facilities, instruction, equipment, instructor(s), tools (special and common), and technical training courses as required herein for training on the following systems: RRDF, CF, FC, WT.

Training issues shall be discussed at IPRs for the purpose of tracking and reviewing the status of contractor developed training materials to include actions taken resulting from student comments.

The contractor shall conduct all training courses. The contractor shall develop two training courses for each system. One course shall be used to train operation/operators and the second course shall be used to train unit and Direct Support (DS) maintenance personnel on each system. The three types of training are Tester Training (TT), Instructor and Key Personnel (I&KPT) Training, and New Equipment Training (NET). All training courses shall be stand-alone courses and structured to provide students

with at least 70% hands-on training. See Attachments B-F.

The first increment of training for the CF system shall be Tester Training in support of Operational Demonstration (OP DEMO). Any comments received from attendees of TT courses and OP DEMO will be reviewed by the TACOM New Equipment Training (NET) manager and forwarded to the contractor to be incorporated into the courseware to yield a revised product. These revised products shall be used to conduct Instructor & Key Personnel Training for the CF each system.

The next increment of training for each system shall be for Instructor and Key Personnel Training. Any comments received from the attendees of I&KPT courses will be reviewed by the TACOM NET manager and forwarded to the contractor to be incorporated into the courseware to yield a revised final product. These revised final products shall be used to conduct NET for each system. These NET products shall be used to provide training to the First Unit Equipped (FUE) and all additional units requiring NET.

The contractor shall provide the following classes:

System	# of Classes	Type of Course	Event	Location
RRDF	one	Operator/operation	I&KPT	Ktr site
RRDF	one	Unit/DS maintenance	I&KPT	Ktr site
RRDF	two	Operator/operation	NET-1	Ft. Eustis
			NET-1	Ft. Story
RRDF	two	Unit/DS maintenance	NET-1	Ft. Eustis
			NET-1	Ft. Story
CF	one	Operator/operation	TT	Ktr Site
CF	one	Unit/DS Maintenance	TT	Ktr site
CF	one	Operator/Operation	I&KPT	Ktr site
CF	one	Unit/DS maintenance	I&KPT	Ktr site
CF	two	Operator/operation	NET-1	Ft. Eustis
			NET-1	Ft. Story
CF	two	Unit/DS maintenance	NET-1	Ft. Eustis
			NET-1	Ft. Story
FC	one	Operator/operation	I&KPT	Ktr site
FC	one	Unit/DS maintenance	I&KPT	Ktr site
FC	two	Operator/operation	NET-1	Ft. Eustis
			NET-1	Ft. Story
FC	two	Unit/DS maintenance	NET-1	Ft. Eustis
			NET-1	Ft. Story
WT	one	Operator/operation	I&KPT	Ktr site
WT	one	Unit/DS maintenance	I&KPT	Ktr site
WT	two	Operator/operation	NET-1	Ft. Eustis
			NET-1	Ft. Story
WT	two	Unit/DS maintenance	NET-1	Ft. Eustis
			NET-1	Ft. Story

C.14.1 Training system implementation plan

The contractor shall develop and maintain a training system implementation plan that includes a Plan of Action and Milestones (POA&M) for the training program. The POA&M shall include proposed delivery of the draft and final training materials. The training system implementation plan shall be available for government review and comment at each IPR. The contractor shall select instructional media to implement or augment chosen instructional strategies.

C. 14.2 Training materials format/media/deliveries (CDRLs A015-A022)

The contractor shall provide stand-alone training materials for the courses. The training package shall contain the instructor lesson guide, student lesson guide, and media package for each course of instruction. The contractor shall provide the material in electronic digital format. The contractor shall prepare and deliver three draft training packages per course for review and approval by the government ninety (90) days prior to start of TT, ninety (90) days prior to start of I&KPT, and ninety (90) days prior to First Unit Equipped (FUE) for NET. The government will review and return the training packages within thirty (30) days of receipt. Final approved training packages shall be delivered to the government thirty (30) days prior to TT, I&KPT and NET. Training material may be supplemented by, but not limited to, contractor and commercial handbooks, pamphlets, operational

manuals, maintenance manuals, logic diagrams, schematics, equipment description, functional data, visual aids, and other documents suitable for use in development/conduct of training programs. The contractor shall provide two (2) each desk top models of each system. Models shall be 24 to 36 inches long and shall be modular in design to resemble actual systems.

Visual aids shall be used to enhance training and may consist of, but not limited to, videos, slides, transparencies, wall charts, schematics, illustrations, pictures, drawings, and components.

The contractor shall prepare and deliver separate orientation videos to address the new or significantly changed systems and enhanced performance potential of the vessel/system. The video shall be in VHS format, and no more than thirty (30) minutes in length.

The materials (other than hard copy) shall be delivered in a digital format, IBM, compatible, CD ROM or three and one-half inch disk, prepared with commercial word processing, graphics, and desktop publishing format.

C.14.3 Equipment/pubs required to support training (CDRL A023)

The contractor shall identify components, parts, expendable supplies, tool sets/kits, individual tools (special and common), and TMDE required to support TT, I&KPT, and NET. The contractor shall provide each student a hard copy of the appropriate TM for the course they are attending. The contractor shall be responsible for shipping any training aids and materials to support NET to the designated government site.

The contractor shall provide to the government, in contractor's format, a list containing the noun/nomenclature, NSN/PN, manufacturer, quantity, and item cost of equipment required to support training, ninety (90) days prior to start of TT, I&KPT and NET. The government will review and return the list to the contractor within thirty (30) days. This list shall form the basis for development of any New Equipment Training Support Package (NETSP) required for conduct of training.

C.14.4 Instructor information

When requested by the Government, the contractor shall make available to the government all required personal information related to the instructors, including documentary evidence such as birth certificates and other data requested by the installation or area in which services are to be performed. The contractor shall submit a listing of names and qualifications of instructors to the NET manager or his representative for review and comment.

C.14.5 Tester Training (TT)

The contractor shall be responsible for providing TT to government personnel at the contractor's facility on the CF system. TT training shall be completed no more than seven (7) days prior to OP DEMO. Each student in attendance shall receive a hard copy of the training materials. Each class shall require two (2) instructors per operator class and two (2) instructors per unit/DS maintenance class. The operation/operator courses shall not exceed one hundred twenty (120) hours with a maximum of sixteen (16) students per class. The unit/DS maintenance courses shall not exceed eighty (80) hours with a maximum of twelve (12) students per class. One operation/operator class and one unit/DS maintenance class is required to support OP DEMO for the CF system.

C.14.6 Instructor and Key Personnel Training (I&KPT)

The contractor shall be responsible for providing I&KPT to government personnel at the contractor's facility on each system. I&KPT training shall be completed no more than one hundred and twenty (120) days prior to FUE. Each student in attendance shall receive a hard copy of the training materials. Each class shall require two (2) instructors per operator class and two (2) instructors per unit/DS maintenance class. The operation/operator courses shall not exceed one hundred twenty (120) hours of instruction with a maximum of sixteen (16) students per class. The unit/DS maintenance courses shall not exceed eighty (80) hours of instruction with a maximum of twelve (12) students per class.

C.14.7 New Equipment Training (NET)

The contractor shall provide NET in support of all system fieldings. All courses shall be conducted at a designated government facility. Operation/operator maintenance classes shall be limited to a maximum of 16 students per class at no more than one hundred and twenty (120) hours per class. Each student shall receive a hard copy of all related training materials. Unit/DS maintenance classes shall be limited to a maximum of twelve (12) students per class with a maximum of eighty (80) hours per class. Each student shall receive a hard copy of all related training materials. Each class shall require two (2) instructors per operator class and two (2) instructors per unit/DS maintenance class.

C.14.8 Course completion documents and reports (CDRL A024)

The government will provide blank student rosters and student critique sheets. Upon completion of each class, the contractor shall provide the government a completed student roster containing the student's full name, grade/rank, unit/location, SSN, and instructor's names. The contractor shall submit a copy of the government provided course critique sheets completed by each

student. The contractor shall provide each student with a course completion certificate that states the course name, number of hours, student's name, SSN and course completion date signed by the primary instructor.

C.15 Packaging requirements

The contractor shall provide packaging data for items provisioned for the modular causeway systems and not resident in Army packaging data files. The contractor shall provide the facilities, material, and access to parts needed for packaging data development. Packaging data development is required only for those provisioned items assigned Uniform Source Maintenance and Recoverability (SMR) codes PA, PB, PC, PE, PG, PH and KF. Packaging data development is not required for common hardware type items assigned a Contractor and Government Entity Code (CAGE) of: 1T416, 21450, 80204, 96906, 10060, 24617, 80205, 99237, 80244, 81343, 81346, 81348, 81349, 81352, or 88044 .

C.15.1 Item classification

The contractor shall classify items requiring packaging development IAW MIL-STD-2073-1D Appendix A.

C.15.1.1 Common group items

These items will not require NEW packaging coded data development. (Common group items packaging coded data has been predetermined by DOD and must be used.)

C.15.1.2 Selective group items

These are items that REQUIRE packaging coded data development, but do not require a drawing, sketch, illustration, narrative type instructions, and do not exceed 40 pounds, do not have any one dimension which exceeds 40 inches, or do not have a length and girth of over 84 inches. Packaging data for these items can be appropriately defined by Standard Practice Coding IAW MIL-STD-2073-1D. (Selective group items shall not be subjected to design validation testing.)

C.15.1.3 Special group items

The following items shall be considered special group terms:

- Items requiring narrative instructions or figures to describe packaging requirements;

- Kits, sets, and items consisting of separate parts; (Sets of items packed in ISO containers may be considered Kits IAW MIL-STD-2073-1D, APPENDIX D.)

- Items that require disassembly for packaging;

- Items requiring special handling or condemnation procedures;

- Items considered hazardous for transport;

- Items considered to have a shelf-life;

- Items excluded from the selective group.

C.15.2 Packaging impact

The contractor shall assess engineering and logistic changes for packaging design/data impact. The contractor shall provide packaging impact statements with Engineering Change Proposals (ECPs). The contractor shall provide revisions and additions to the packaging information when packaging is impacted.

C.15.3 Special Packaging Instructions (SPI) (CDRL A025)

For each item classified as special, the contractor shall prepare a SPI in an electronic format that can be viewed, changed or commented upon, and approval marked using a Microsoft Windows application, e.g. Microsoft Word 6.0 or 7.0. The contractor shall perform packaging design validation testing in accordance with MIL-STD-2073-1D paragraph 5.6.

C.15.4 Packaging related LMI data products (CDRL A026)

The contractor shall submit LMI data products in electronic format (ASCII). The data provided shall be for every item requiring packaging data. The required packaging related LMI data products are as detailed below from Appendix B of MIL-PRF-49506:

Data Products Dictionary # Data title

0680	National Stock Number (NSN)
0220	Packaging Indicator Code (PIC)
1440	Type Storage Code (TSC)
1460	Pack Level Reference Indicator
0140	Packaging Data Preparer
1190	Shelf Life Code
1200	Shelf Life Action Code
1050	Packaging Reference
0480	Item name
1550	Item weight
1530	Item length
1530	Item width
1530	Item depth
0750	Packaging Category Code
1250	Special Marking Codes
0980	Quantity per unit pack
0450	Quantity per intermediate pack
1050	Item drawing number
0140	CAGE
0660	Preservation method code
0130	Cleaning Method code
0810	Preservative material code
1590	Wrap material code
0200	Cushioning material code
0210	Cushioning thickness code
1450	Unit container code
0440	Intermediate container code
1460	Unit Container Level Code
0760	Packing requirements code
1550	Unit pack weight
1530	Unit pack length
1530	Unit pack width
1530	Unit pack depth
1520	Unit pack cube
1290	In-The-Clear Instructions
0360	Hazardous Code
1270	SPI Date
1280	SPI Revision
1220	Source, Maintenance and Recoverability (SMR) Code
1420	Type of Change Code (transaction type)
1470	Unit of Issue (UI)
1510	Unit of Measure (UM)

C.15.5 Documentation

The contractor shall provide documentation with data submittal, as necessary, to permit the government reviewer to determine the adequacy of the prepared packaging analysis and packaging related LMI data. This includes item drawings and copies of Material Safety Data Sheets. Additionally, performance test reports and photographic records of packaged item before and after testing shall be delivered for every SPI.

C.15.6 Shipment and Storage (S&S) instructions (CDRL A027)

The contractor shall develop preservation and depreservation (return to operating condition) instructions and updates to the S&S Instructions for all end items of the modular causeway systems. The contractor shall include processing instructions for shipment. The contractor shall consider overland and marine vessel transport (on deck and below deck). The S&S instructions may be detailed in a Special Packaging Instruction or Technical Manual (preferred). The contractor shall develop a preservation/packing process for long term storage:

Military/level A protection for thirty-six (36) months minimum in a salt vapor (on deck) environment;

Military/level B protection for thirty-six (36) months maximum in a humidity controlled (below deck) environment.

Exercising requirements shall also be included for each of the long term storage environments.

C.15.6.1 Engines/batteries

All mechanical equipment containing internal combustion engines or wet batteries are subject to requirements of Code of Federal Regulation Title 49, for truck and rail transport, International Maritime Dangerous Goods Code, for vessel transport, and AFJMAN 24-204, for military air. The contractor shall include disassembly procedures to meet requirements for the applicable mode. Overseas shipments require some disassembly to minimize shipped tonnage costs. Instructions shall reflect all special requirements.

C.15.6.2 Support hardware

The contractor shall include S&S instructions for ISO containerized Components Of the End Item (COEI), Basic Issue Items (BII), Interim Support Items List (ISIL) items, Prescribed Load List (PLL)/Authorized Stockage List (ASL) items, Onboard Spares List (OBSL) items, and ninety (90) day Mission Support Packages.

The contractor shall include figures/drawings showing the stowage location and security provisions. The stowage locations shall deter pilferage and shall not interfere with lifting, tie down or other transportation handling requirements.

C.15.6.3 Design change

The contractor shall provide revisions to the S&S instructions for each design change affecting shipping configuration, weight, or transportability. When directed by the Government, the contractor shall update S&S instructions to support improvements in processing methodology for the modular causeway systems.

C.15.6.4 Validation

The contractor shall validate S&S instructions. Validation for S&S instructions shall verify the adequacy of the preservation, packaging, packing and stowage; and the exercising requirements for powered modules and winches in long term storage. Government representatives may verify and witness contractor's validation.

C.16 Manpower and Personnel Integration (MANPRINT)

MANPRINT considerations shall be addressed and incorporated throughout the design and fabrication process of the modular causeway systems to maximize soldier-machine interface and shall be coordinated with the contractor's logistics and system engineering activities.

C.16.1 Human Factors Engineering (HFE)

The contractor shall consider human factors in design of the Modular Causeway Systems (MCS) in accordance with paragraph 3.3.15.3 of the ATPD 2280 to facilitate rapid and easy deployment by the crew under all required operational conditions within prescribed deployment times. The MCS shall be capable of being assembled by the 5th percentile female through the 95th percentile male soldiers while wearing arctic and mission-oriented protective posture (MOPP) ensemble.

C.16.2 Manpower

Modular causeway systems shall not require additional manpower to current causeway companies authorized Table of Organization and Equipment for maintenance, recovery and deployment under all operational conditions. Maintenance, deployment and recovery time must be performed within the prescribed performance time standard.

C.16.3 Personnel capabilities

All tasks shall be designed so they may be performed by soldiers with skill level and strength level as defined by Military Occupational Specialty (MOS) 88L/88K. Modular causeway systems shall be easy to maintain, deploy and recover by the operator crew. No new Military Occupational Specialty (MOS) or Additional Skill Identifier (ASI) shall be required for the modular causeway systems or its ancillary equipment.

C.16.4 Soldier survivability

Modular causeway systems shall include features of soldier survivability by minimizing system detectability, probability of being attacked or detected, probability of damage if attacked, and soldier fatigue and injury.

C.16.5 System safety and health hazards

The contractor shall follow good safety engineering practices in establishing any modular causeway systems design and operational procedures to include modifications. MIL-STD-882D may be used as a guide in determining whether safety engineering objectives

are met. As a minimum, the contractor shall do the following:

Identify hazards associated with the system by conducting safety analyses and hazard evaluations. Analyses shall include both operational and maintenance aspects of the modular causeway systems.

Eliminate or reduce significant hazards by appropriate design or materiel selection. If hazards to personnel are not avoidable, take steps to control or minimize those hazards.

C. 16.5.1 Safety Assessment Report (SAR) (CDRL A028)

As a result of system safety analyses, hazard evaluations, and any contractor independent testing, the contractor shall perform and document a safety assessment. The safety assessment shall identify all safety features of the hardware, system design and inherent hazards. The assessment shall also establish special procedures and/or precautions to be observed by government test agencies and system users. Based on the safety assessment, the contractor shall prepare a Safety Assessment Report in accordance with DI-SAFT-80102B. As an addendum of the Safety Assessment Report, the contractor shall identify and incorporate health hazards associated with the system. In preparing the health hazard portion of the SAR, the contractor shall provide a description and discussion of each potential or actual health hazard issue of concern for each system or component. A health hazard is an existing or likely condition, inherent to the operation, maintenance, transport or use of materiel, that can cause death, injury, acute or chronic illness, disability, or reduced job performance of personnel by exposure to physiological stresses. Each hazard shall include the classification of hazard severity and probability of occurrence. The contractor shall include when the hazards may be expected to occur, whether under normal, unusual operating or maintenance conditions. The following are examples of some areas of concern that may contain safety and health hazards. This is not an all-inclusive list:

- Stability issues
- Breakdown from ISOPAK configuration
- Fire prevention issues
- Toxic gases, (e.g., engine exhaust)
- Confined space areas
- Noise levels
- Lifting devices
- Electrical issues

*** END OF NARRATIVE C 001 ***

SECTION J - LIST OF ATTACHMENTS

LIST OF ADDENDA	TITLE	DATE	# OF PAGES
EXHIBIT A	CONTRACT DATA REQUIREMENTS (CDRLs)		
EXHIBIT B	DATA ITEM DESCRIPTIONS (DIDs)		
EXHIBIT C	PAST PERFORMANCE QUESTIONNAIRE		
ATTACHMENT 001	PURCHASE DESCRIPTION ATPD 2280	18 JUL 00	58
ATTACHMENT 002	COMMERCIAL OFF-THE-SHELF (COTS)	SEP 00	3
ATTACHMENT 003	UNIT DIRECT SUPPORT & GENERAL SUPPORT	SEP 00	6
ATTACHMENT 004	OPERATOR'S MANUAL	SEP 00	7
ATTACHMENT 005	TECHNICAL MANUAL	SEP 00	1

*** END OF NARRATIVE J 001 ***

SECTION M - EVALUATION FACTORS FOR AWARD

Status	Regulatory Cite	Title	Date
M-1 CHANGED	52.247-4457 (TACOM)	EVALUATION OF TRANSPORTATION COSTS FOR LONG TERM CONTRACTS	OCT/1999

We do not know what the quantity and destination requirements that will apply during the term of this Contract. In determining the low offeror, we will evaluate those transportation costs that apply to the below by using the methodology described in the Section M clause entitled Evaluation--FOB Origin (FAR 52.247-47). We will use the following estimated quantities and tentative destinations in conducting that evaluation:

	Base Program Year Ft. Eustis, Va	First Option Period Ft. Eustis, VA	Second Option Period Ft. Eustis, VA
Roll-On/Roll-Off Discharge Facility (RRDF)	1	1	1
Causeway Ferry (CF)	1	1	1
Floating Causeway (FC)	1	1	1
Warping Tug (WT)	1	1	1

PIIN/SIIN DAAE07-00-R-T019 **MOD/AMD** 0005

SECTION M - EVALUATION FACTORS FOR AWARD

CHANGED MS6457 52.247-4457 01-OCT-99 EVALUATION OF TRANSPORTATION COSTS FOR LONG TERM CONTRACTS (TACOM)

We do not know what the quantity and destination requirements that will apply during the term of this Contract. In determining the low offeror, we will evaluate those transportation costs that apply to the below by using the methodology described in the Section M clause entitled Evaluation--FOB Origin (FAR 52.247-47). We will use the following estimated quantities and tentative destinations in conducting that evaluation:

	Base Program Year Ft. Eustis, Va	First Option Period Ft. Eustis, VA	Second Option Period Ft. Eustis, VA
Roll-On/Roll-Off Discharge Facility (RRDF)	1	1	1
Causeway Ferry (CF)	1	1	1
Floating Causeway (FC)	1	1	1
Warping Tug (WT)	1	1	1